

NETWORK PHYSICAL LAYER WITH EMBEDDED  
MULTI-STANDARD CRC GENERATOR

ABSTRACT OF THE DISCLOSURE

Disclosed are methods and structures for preparing data for transmission over a network. In an embodiment consistent with the OSI network model, transmit and receive CRC generators are moved from the link layer to the physical layer, which frees up valuable programmable logic resources when a programmable logic device is employed to perform the functions of the link layer. The CRC generators of the physical layer comply with a plurality of network communication standards.